

CLAIMS

WHAT IS CLAIMED IS:

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1. A barbecue grill assembly comprising:

an upper assembly, the upper assembly having a cooking chamber;

a lower assembly formed from a plurality of lower frame members;

at least one projection on one of either the lower assembly or the upper assembly; and,

at least one receiver on the other of said lower assembly or said upper assembly, the receiver having an inner surface, the projection and the receiver cooperatively dimensioned such that the projection is received by the receiver, the projection having a first portion and a second portion, the first portion adapted to be biased into contact with the inner surface.

2. The barbecue grill assembly of claim 1, wherein the projection is positioned at a lower portion of the cooking chamber.

3. The barbecue grill assembly of claim 1, wherein the receiver is positioned at a lower portion of the cooking chamber.

4. The barbecue grill assembly of claim 1, wherein the projection depends from a lower portion of the cooking chamber.

5. The barbecue grill assembly of claim 1, wherein the receiver depends from a lower portion of the cooking chamber.

6. The barbecue grill assembly of claim 1, wherein the upper assembly has a plurality of upper frame members, the projection positioned on one of the upper frame

members.

7. The barbecue grill assembly of claim 6, wherein the receiver is positioned on one of the lower frame members.

5 8. The barbecue grill assembly of claim 1, wherein the upper assembly has a plurality of upper frame members, the receiver positioned on one of the upper frame members.

9. The barbecue grill assembly of claim 8, wherein the projection is positioned on one of the lower frame members.

10. The barbecue grill assembly of claim 1, further comprising means for biasing the first portion into engagement with the inner surface.

10 11. The barbecue grill assembly of claim 10, wherein the biasing means is inserted through an aperture in the receiver to bias the first portion.

12. The barbecue grill assembly of claim 10, wherein the biasing means is inserted through an aperture in the receiver and an aperture in the projection to bias the first portion.

15 13. The barbecue grill assembly of claim 10, wherein the biasing means is a pin/fastener/threaded fastener.

14. The barbecue grill assembly of claim 2, wherein at least a portion of the cooking chamber is formed of cast material.

20 15. The barbecue grill assembly of claim 14, wherein the projection is at least partially formed of the cast material.

16. The barbecue grill assembly of claim 3, wherein at least a portion of the cooking chamber is formed of cast material.

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17. The barbecue grill assembly of claim 16, wherein the receiver is at least partially formed of the cast material.

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18. A barbecue grill assembly comprising:
- an upper assembly formed from a plurality of upper frame members, the upper frame members adapted to support a cooking chamber, each of the upper frame members having an outer wall surface;
- 5 a lower assembly formed from a plurality of lower frame members, each of the lower frame members having an outer wall surface;
- at least one projection on one of either the upper assembly or the lower assembly; and,
- at least one receiver on the other of said upper assembly or said lower assembly, the projection and the receiver cooperatively dimensioned such that when the projection is received by the receiver the outer wall surface of the upper frame member is in planar alignment with the outer wall surface of the lower frame member.
19. The barbecue grill assembly of claim 18, further comprising means for biasing a first portion of the projection into engagement with an inner surface of the receiver wherein the outer wall surfaces remain in planar alignment.
20. The barbecue grill assembly of claim 18, wherein the projection is positioned on one of the upper frame member.
21. The barbecue grill assembly of claim 18, wherein the receiver is positioned on one of the lower frame member.
22. The barbecue grill assembly of claim 18, wherein the projection is positioned on one of the lower frame member.

- ay 23. The barbecue grill assembly of claim 18, wherein the receiver is positioned on one of the upper frame member.

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24. A barbecue grill assembly comprising:

an upper assembly formed from at least one upper frame member, the upper frame member having an end, the upper frame member having an outer dimension;

a cooking chamber connected to the upper frame member;

a lower assembly formed from at least one lower frame member, the lower frame member having an end, the lower frame member having an outer dimension;

at least one engagement assembly adapted to secure the upper frame member and lower frame member in an end-to-end configuration wherein the outer dimension of the upper frame member is substantially aligned with outer dimension of the lower frame member.

25. The barbecue grill assembly of claim 24, wherein the engagement assembly includes a projection and a receiver, the projection positioned on one of either the upper frame member or the lower frame member, the receiver positioned on the other of said upper frame member or said lower frame member.

26. The barbecue grill assembly of claim 25, further comprising means for biasing a first portion of the projection into engagement with an inner surface of the receiver wherein the upper frame member and lower frame member remain in the end-to-end configuration.

27. The barbecue grill assembly of claim 25, further comprising means for biasing a first portion of the projection into engagement with an inner surface of the receiver wherein the outer dimension of the upper and lower frame members remain in substantial alignment.

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28. The barbecue grill assembly of claim 27, wherein the outer dimension of the upper frame member is the perimeter of said end of the upper frame member and the outer dimension of the upper frame member is the perimeter said end of the frame member.

29. A frame for an outdoor cooking device comprising:
- an upper assembly formed from a plurality of upper frame members,
 - a lower assembly formed from a plurality of lower frame members;
 - at least one projection on one of either the lower assembly or the upper assembly; and,
 - at least one receiver on the other of said lower assembly or said upper assembly, the receiver having an inner surface, the projection and the receiver cooperatively dimensioned such that the projection is received by the receiver, the projection having a first portion and a second portion, the first portion adapted to be biased into contact with the inner surface.
30. The frame of claim 29, wherein the projection is positioned on one of the upper frame members.
31. The frame of claim 29, wherein the receiver is positioned on one of the lower frame members.
32. The frame of claim 29, wherein the projection is positioned on one of the lower frame members.
33. The frame of claim 29, wherein the receiver is positioned on one of the upper frame members.
34. The frame of claim 29, wherein the upper assembly is pre-formed.
35. The frame of claim 29, wherein the lower assembly is pre-formed.
36. The frame of claim 29 further comprising means for biasing the first portion into engagement with the inner surface.

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A frame for an outdoor cooking device comprising:

an upper assembly formed from a plurality of upper frame members, each of the upper frame members having an outer wall surface;

a lower assembly formed from a plurality of lower frame members, each of the frame members having an outer wall surface;

at least one projection on one of either the upper assembly or the lower assembly; and,

at least one receiver on the other of said upper assembly or said lower assembly, the projection and the receiver cooperatively dimensioned such that when the projection is received by the receiver the outer wall surface of the upper frame member is in planar alignment with the outer wall surface of the lower frame member.

38. The barbecue grill assembly of claim 37, further comprising means for biasing a first portion of the projection into engagement with an inner surface of the receiver wherein the outer wall surfaces remain in planar alignment.

39. The barbecue grill assembly of claim 37, wherein the projection is positioned on one of the upper frame members.

40. The barbecue grill assembly of claim 37, wherein the receiver is positioned on one of the lower frame members.

41. The barbecue grill assembly of claim 37, wherein the projection is positioned on one of the lower frame members.

42. The barbecue grill assembly of claim 37, wherein the receiver is positioned on one of the upper frame members.

43. A frame assembly for an outdoor cooking device, the frame assembly comprising:
- a first frame assembly;
 - a second frame assembly extending substantially lateral to the first frame assembly;
 - at least one projection on one of either the first assembly or the second assembly; and,
 - at least one receiver on the other of said first frame assembly or said frame second assembly, the receiver having an inner surface, the projection and the receiver cooperatively dimensioned such that the projection is received by the receiver, the projection having a first portion and a second portion, the first portion adapted to be biased into contact with the inner surface.
44. The frame assembly of claim 43, wherein the biasing of the first portion into contact with the inner surface provides cantilever support of the second frame assembly.
45. The frame assembly of claim 43, wherein the projection is on the first frame assembly.
46. The frame assembly of claim 43, wherein the receiver is on the second frame assembly.
47. The frame assembly of claim 43, wherein the projection is on the second frame assembly.
48. The frame assembly of claim 43, wherein the receiver is on the first frame assembly.
49. The frame assembly of claim 43, wherein the first frame assembly is formed from a plurality of frame members, the first frame assembly adapted to have an outdoor cooking device.

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50. A frame assembly for an outdoor cooking device, the frame assembly comprising:
- a first frame assembly formed from a plurality of first frame members, each of the frame members having an outer wall surface;
 - a second frame assembly extending substantially lateral to the first frame assembly, the second frame assembly formed from a plurality of second frame members, each of the frame members having an outer wall surface;
 - at least one projection on one of either the first assembly or the second assembly; and,
 - at least one receiver on the other of said first frame assembly or said frame second assembly, the projection and the receiver cooperatively dimensioned such that when the projection is received by the receiver the outer wall surface of the first frame member is in planar alignment with the outer wall surface of the second frame member.
51. The frame assembly of claim 50, further comprising means for biasing a first portion of the projection into engagement with an inner surface of the receiver wherein the outer wall surfaces remain in planar alignment.
52. The frame assembly of claim 51, wherein the biasing of the first portion into contact with the inner surface provides cantilever support of the second frame assembly.
53. The frame assembly of claim 50, wherein the projection is on the first frame assembly.
54. The frame assembly of claim 50, wherein the receiver is on the second frame assembly.
55. The frame assembly of claim 50, wherein the projection is on the second frame

assembly.

56. The frame assembly of claim 50, wherein the receiver is on the first frame assembly.
57. The frame assembly of claim 50, wherein the first frame assembly is formed from a plurality of frame members, the first frame assembly adapted to have an outdoor cooking device.

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58. A barbecue grill assembly comprising:

a pre-assembled upper assembly having a cooking chamber;

a lower assembly;

at least one projection on one of either the upper assembly or the lower

5 assembly; and,

at least one receiver on the other of said upper assembly or said lower

assembly, the projection and the receiver cooperatively dimensioned such that the
projection is removably inserted in the receiver to join the upper and lower
assemblies.

10 59. The barbecue grill assembly of claim 58, further comprising means for biasing a first
portion of the projection into engagement with an inner surface of the receiver to
secure the upper and lower assemblies.

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60. A barbecue grill assembly comprising:

an upper assembly formed from a plurality of upper frame members, the upper assembly having a cooking chamber;

a lower assembly formed from a plurality of lower frame members;

at least one union member adapted to join the upper assembly and the lower assembly, the union member cooperatively dimensioned such that the union member is positioned within the upper frame member and the lower frame member.

61. The barbecue grill assembly of claim 60 wherein the union member has an outer surface, the outer surface adapted to be in frictional engagement with the upper frame member and the lower frame member.

62. The barbecue grill assembly of claim 60 wherein the upper frame member has a tubular configuration, the lower frame member has a tubular configuration and the union member has a tubular configuration.

63. The barbecue grill assembly of claim 60 further comprising means for locking the union member.

64. The barbecue grill assembly of claim 60 wherein each of the upper frame members have an outer wall surface and wherein each of the lower frame members have an outer wall surface, wherein the outer wall surfaces are in planar alignment when the union member joins the upper and lower assemblies.

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